

Figure 1.

Mass spectrum showing relative intensity (Y-axis, 0 to 50000) versus mass-to-charge ratio (X-axis, 0 to 1800 m/z). The base peak is at m/z 102.34. Other labeled peaks include:

m/z	Approximate Relative Intensity
73.21	5000
130.44	10000
145.24	8000
163.21	10000
177.11	10000
178.08	12000
201.03	8000
221.06	8000
241.06	8000
259.07	8000
278.07	8000
311.06	10000
328.04	8000
372.64	5000

Figure 2.

0973940.072701

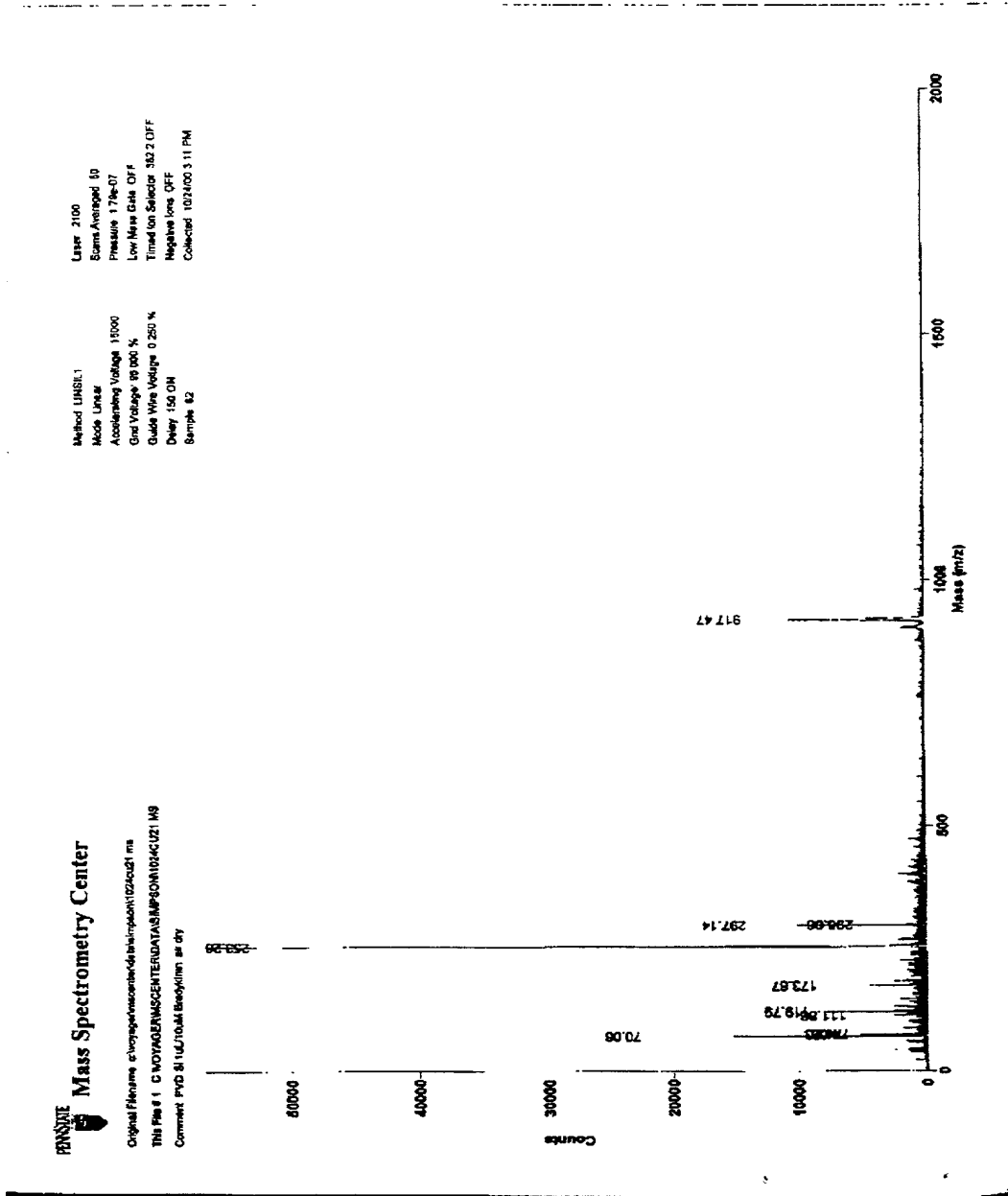


Figure 3.

TOF MS 0465E/50

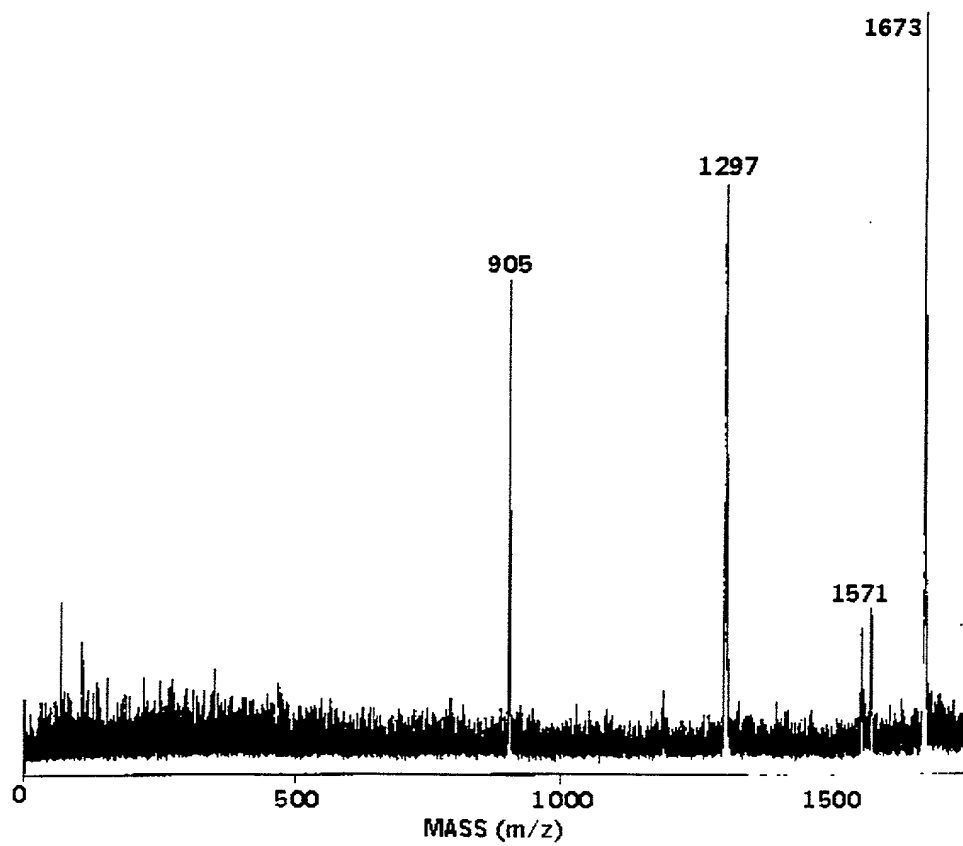


Figure 4.

FOI201045560

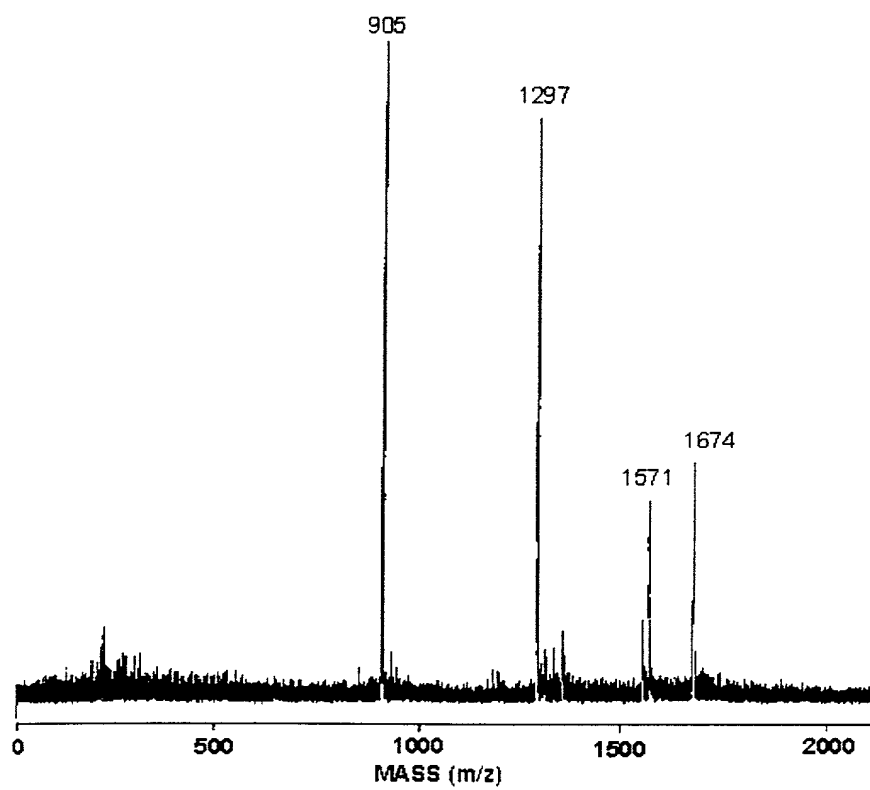


Figure 5.

0973940.0701  
T0220"0466E650

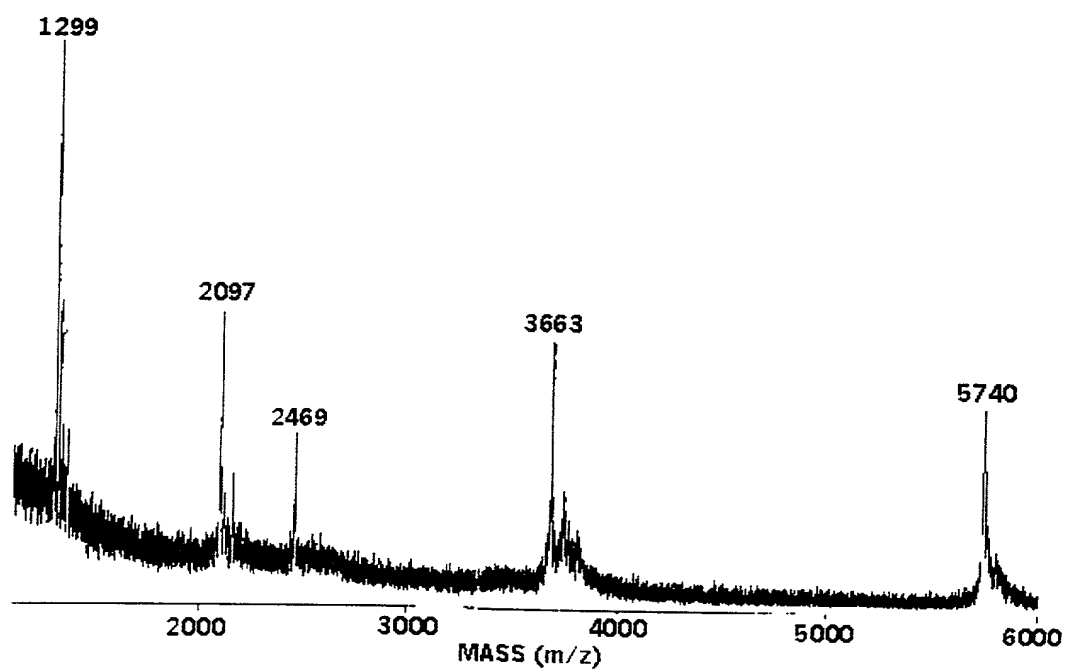


Figure 6.

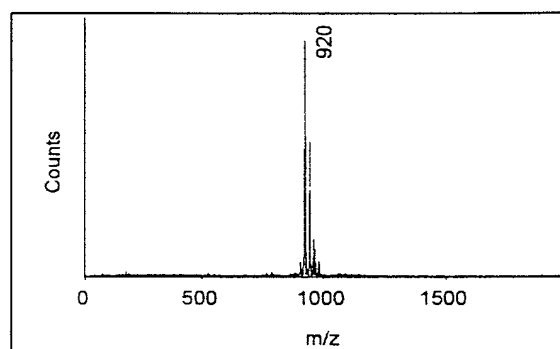


Figure 7.

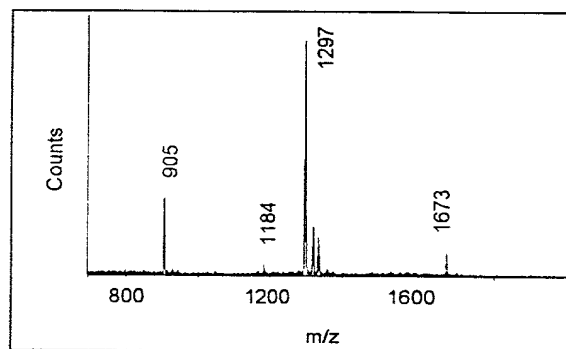


Figure 8.

FOI 2010-01066250

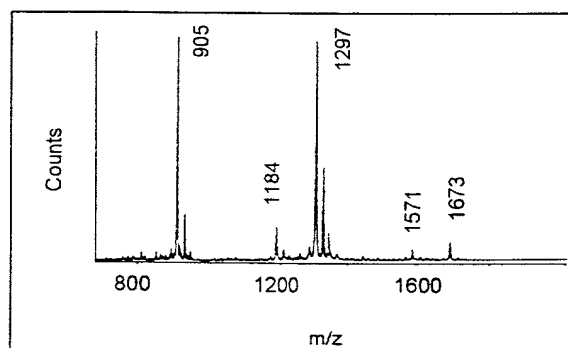


Figure 9.

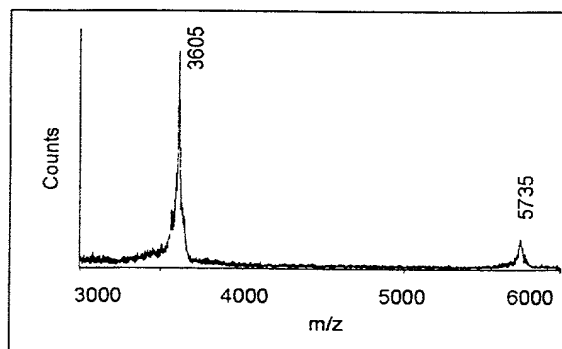


Figure 10.

70/22/0" 0465E/60

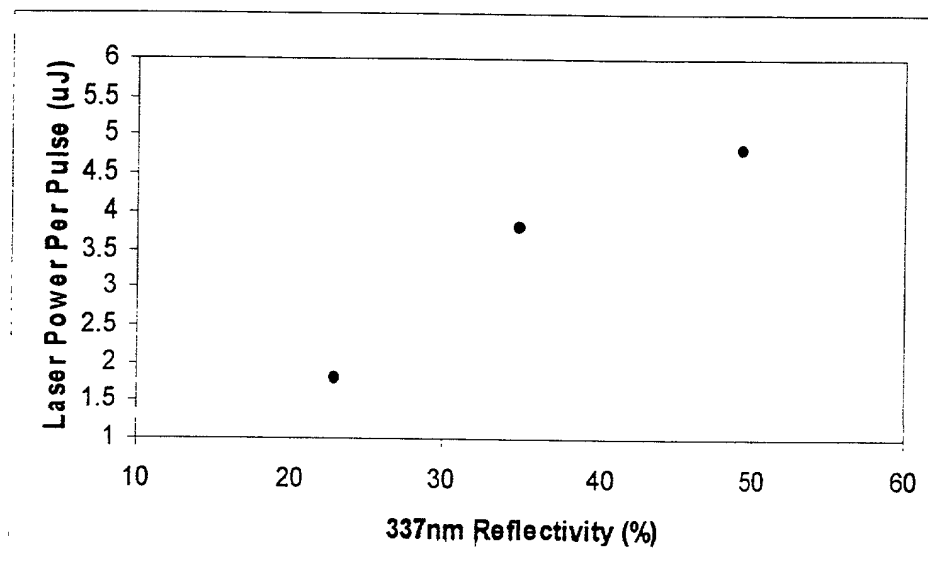


Figure 11.

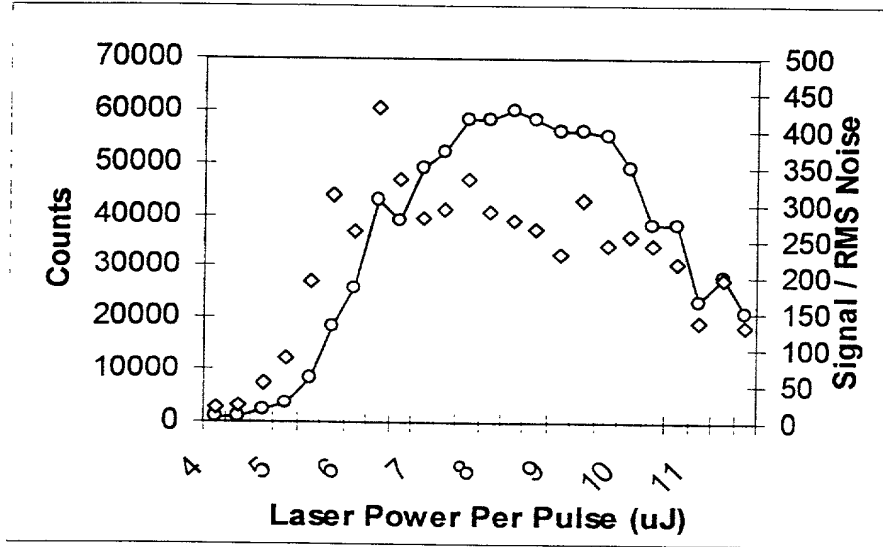


Figure 12.

FOI-0156260

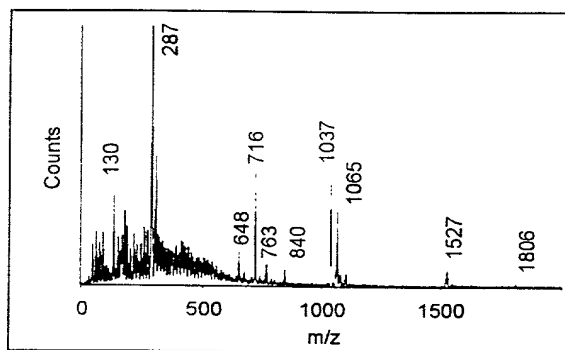
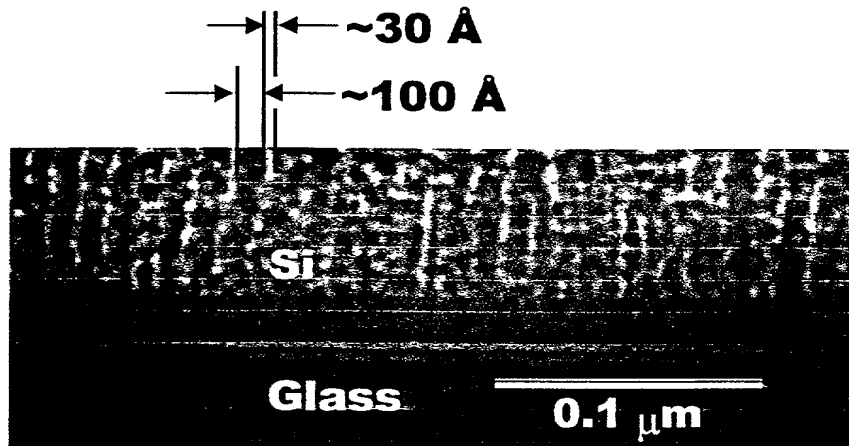


Figure 13.



### Deposition Conditions

Temperature	120 °C
Power	500 W
Pressure	7.8 mTorr

Figure 14a.

TD/20" 0466E/250

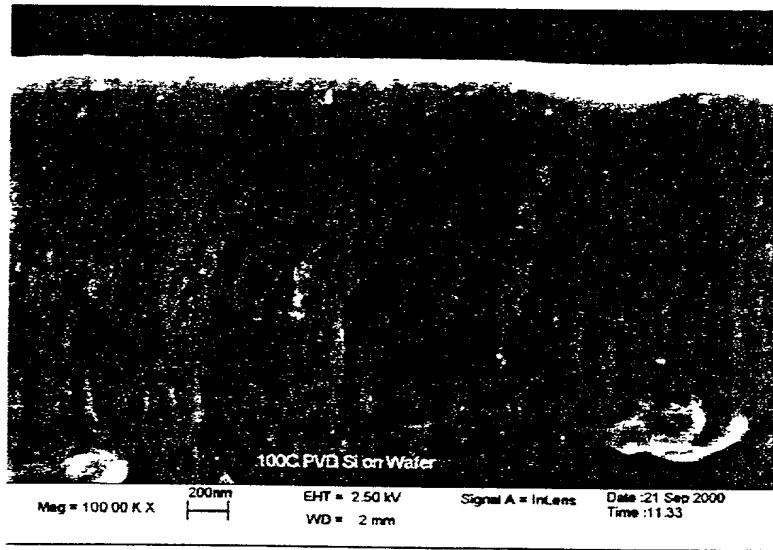


Figure 14b.

T0220"0466E/60

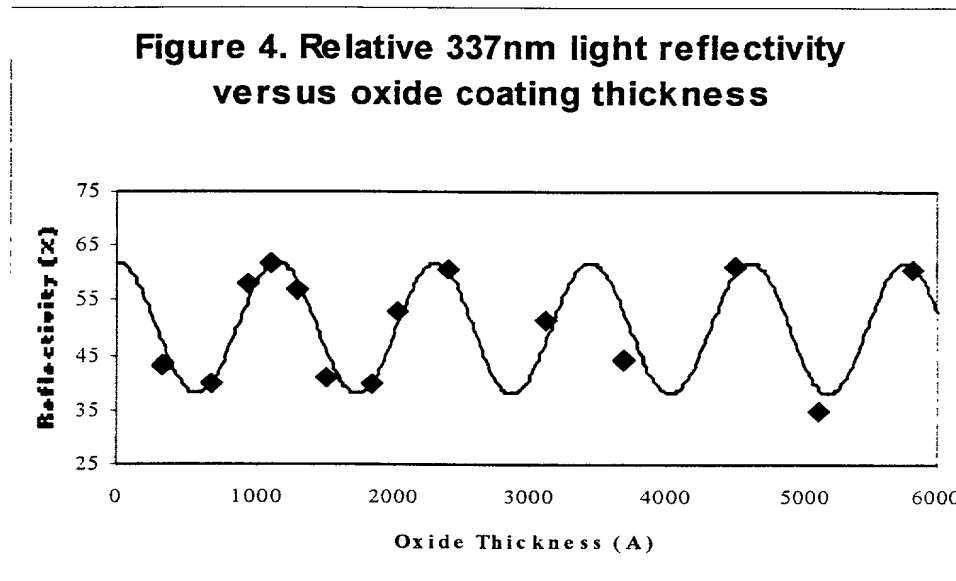


Figure 15.

**Figure 5. Relative molecular detection counts  
versus oxide coating thickness.**

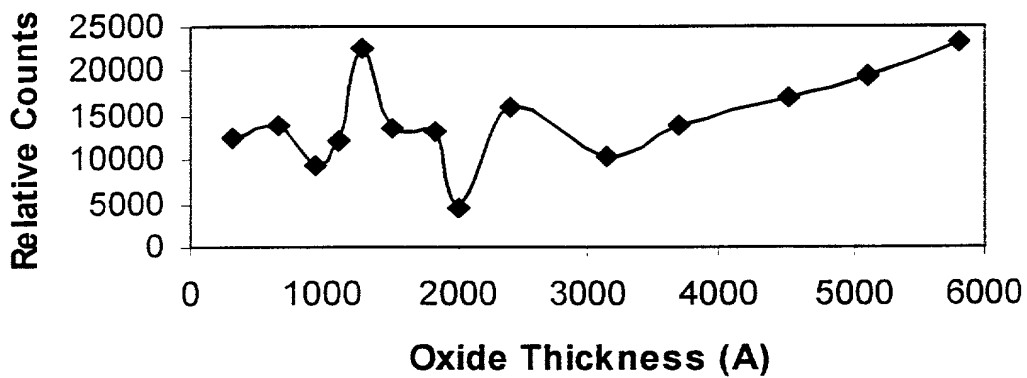


Figure 16.

10/22/01 04:55:25

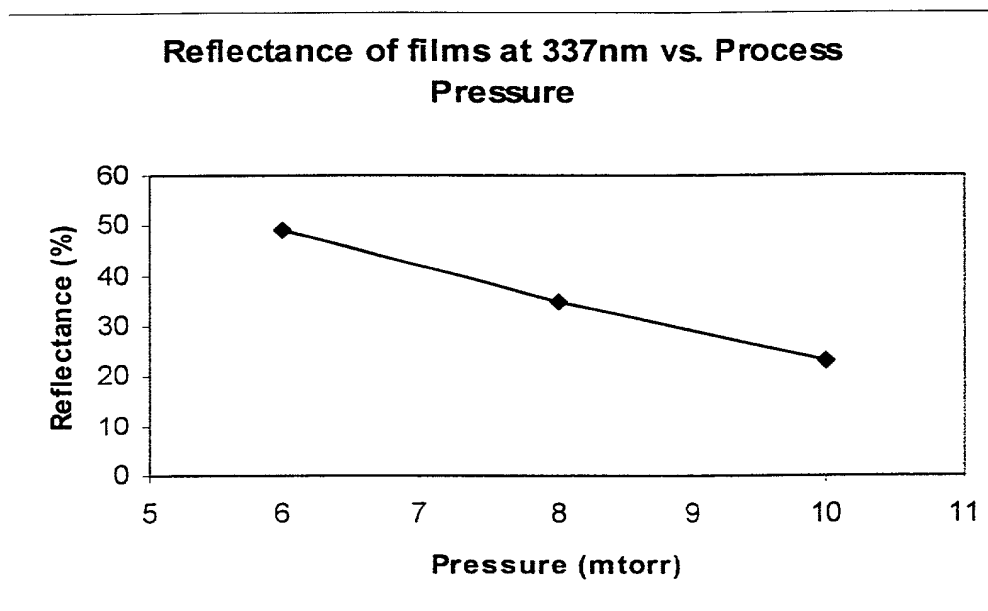


Figure 17.

0973940.072704

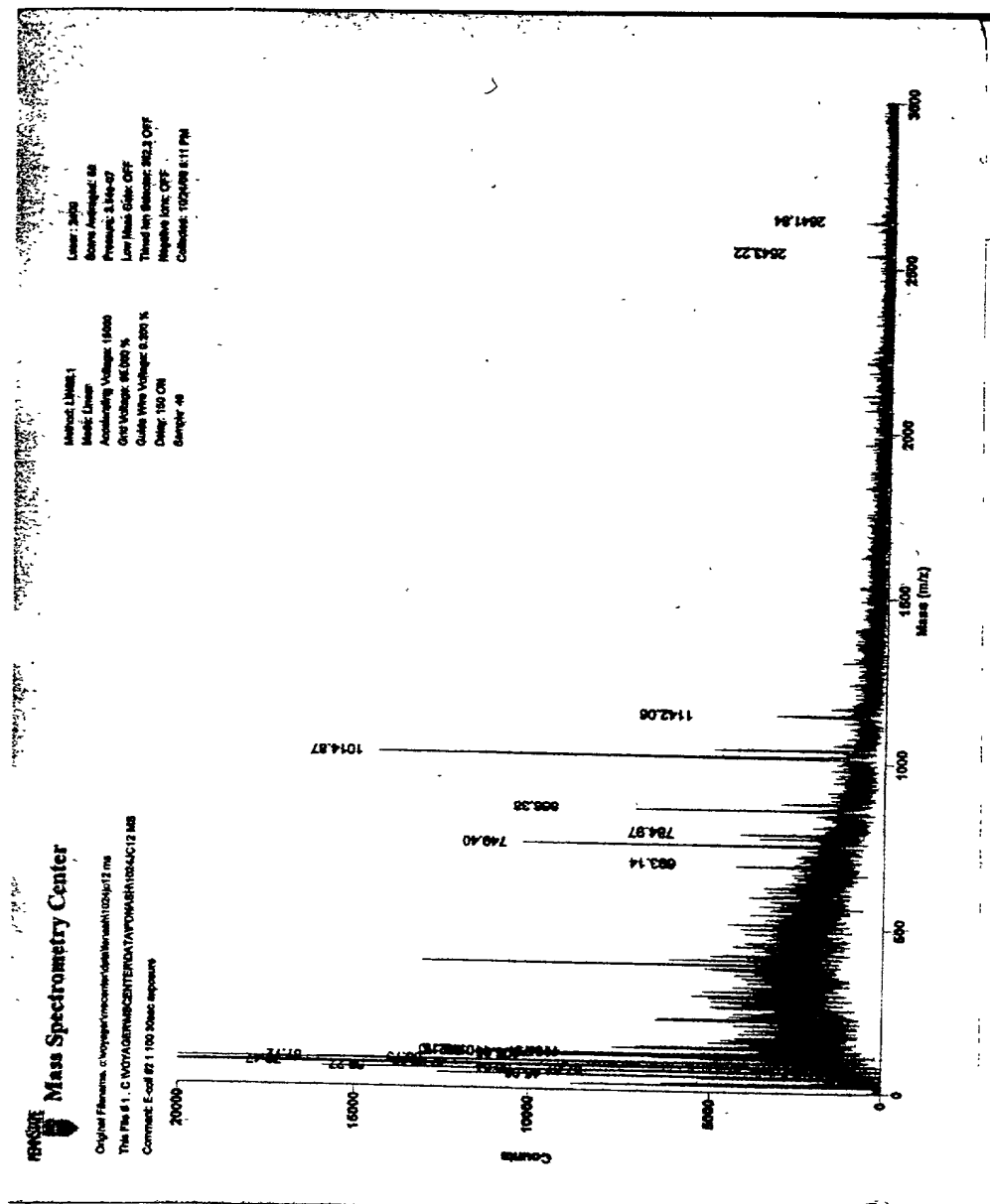


Figure 18a.

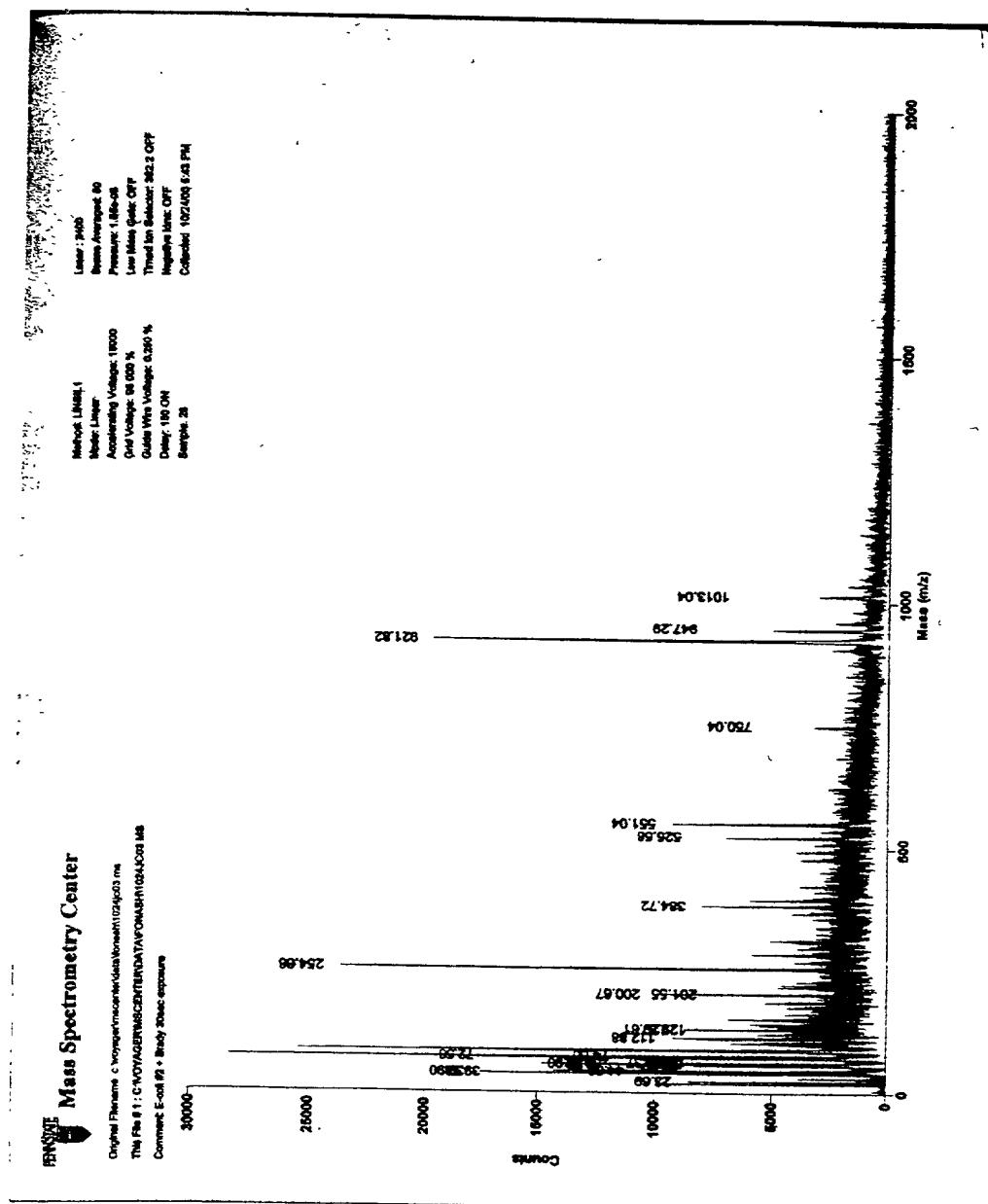


Figure 18b.

10/22/09 01:55:56

**Mass Spectrometry Center**

Original Filename: C:\msdcs\mass\center\data\1015002.ms  
This File #1: C:\MSDCS\CENTER\DATA\F01A\1015002.MS  
Comment: LB control

Method: LMS1.1  
Mode: Linear  
Accelerating Voltage: 15000  
Grid Voltage: 45.000 V  
Guide Wire Voltage: 0.250 V  
Delay: 150 ON  
Sample: 43

Laser: 2300  
Scans Averaged: 50  
Pressure: 3.50e-06  
Low Mass Gate: OFF  
Timed Ion Selector: S82.2 OFF  
Negative Ions: OFF  
Collected: 10/19/09 11:52 AM

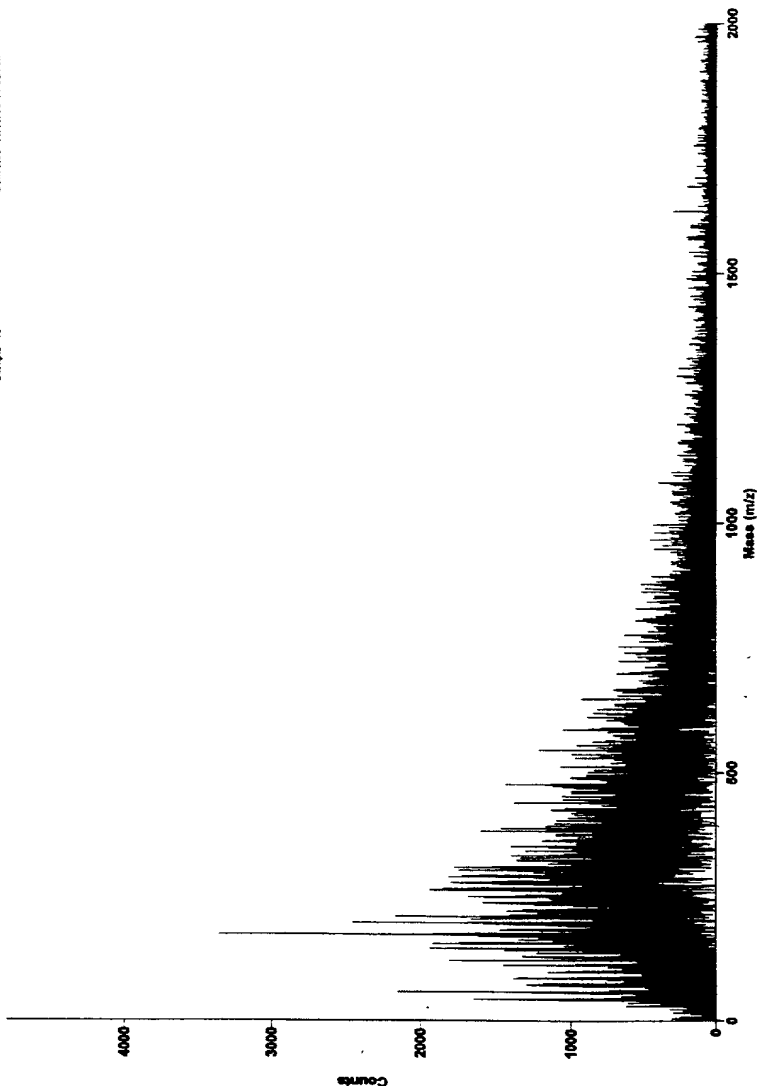


Figure 19a.

**P**

Original Filename: c:\wyager\mcant\data\set\setsh1\013j004.m8  
This File # 1: C:\WYAGER\MSCENTER\DATA\FONAS\H1\013J004.M8  
Comment: E-coil Media

Layer : 2400  
Scans Averaged: 50  
Pressure: 2.95e-08  
Low Mass Gate: OFF  
Timed Ion Selector: 302.2 OFF  
Negative Ions: OFF  
Collected: 10/13/00 11:57 AM

Method: LINSUL 1  
Accelerating Voltage: 19000  
Grid Voltage: 86,900 %  
Guide Wire Voltage: 0.250 %  
Delay: 180 ON  
Sample: 30

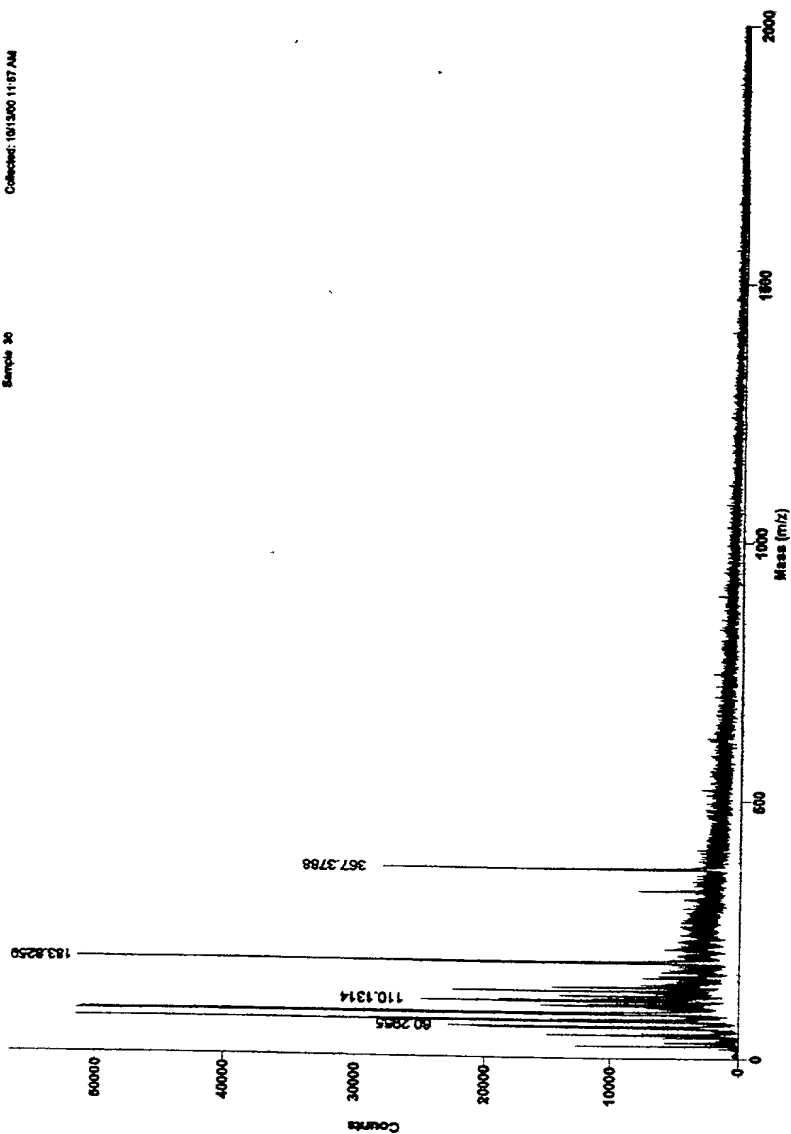


Figure 19b.

09739940 072304

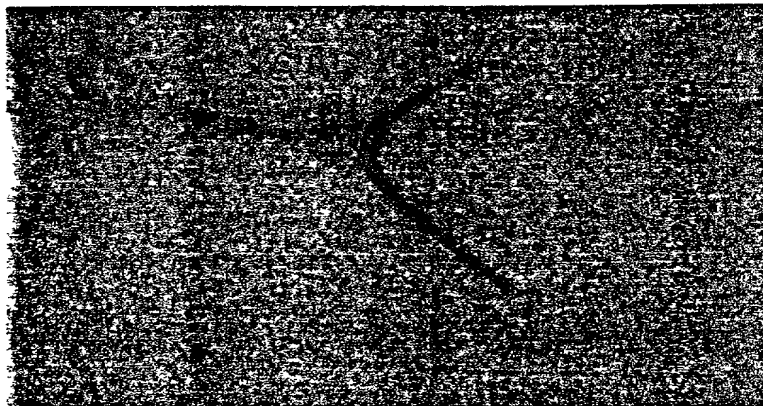


Figure 20.

0973940.072704

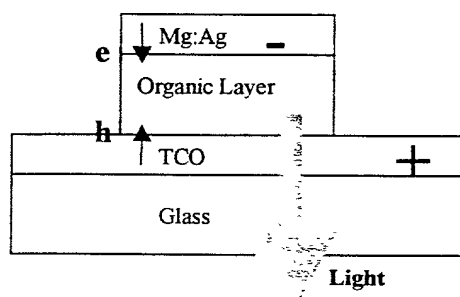


Figure 21.

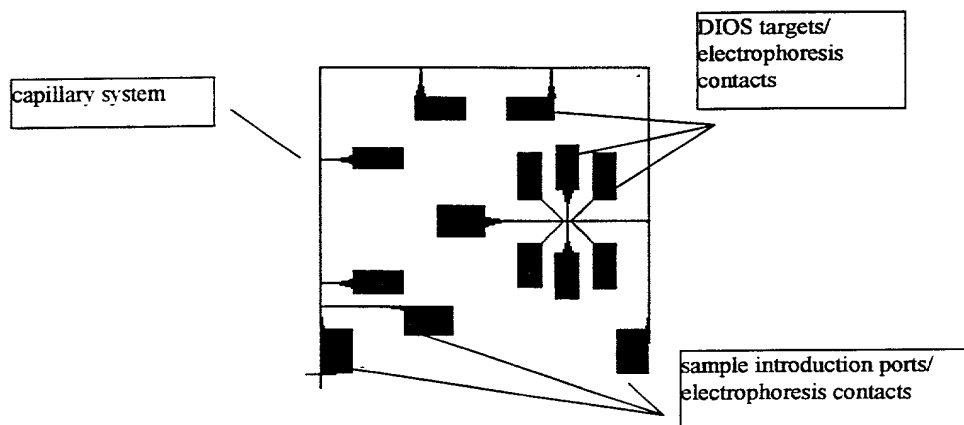


Figure 22.